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(54) **POSITIONING APPARATUS, WORKING SYSTEM, AND HOT WORKING APPARATUS**

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See application file for complete search history.

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(57) **ABSTRACT**

A positioning apparatus and a working system which can position a workpiece with better accuracy at a lower cost and in a reduced space even when the workpiece is heavy are provided. The positioning apparatus has 3 robot arms (1)-(3) each having an arm and an actuator which drives the arm, a mounting platform (5) which is supported by the ends of the three robot arms (1)-(3), a securing jig (6) which secures a workpiece W which is mounted on the mounting platform (5) to the mounting platform (5), and a controller (9) which controls the operation of each of the actuators.

**5 Claims, 3 Drawing Sheets**

